

# Check Whether a number is Duck Number or not

A Duck number is a positive number which has zeroes present in it, For example 3210, 8050896, 70709 are all Duck numbers. Please note that a numbers with only leading 0s is not considered as Duck Number. For example, numbers like 035 or 0012 are not considered as Duck Numbers. A number like 01203 is considered as Duck because there is a non-leading 0 present in it.

Input : 707069

Output : It is a duck number.

Explanation: 707069 does not contains zeros at the beginning.

Input : 02364

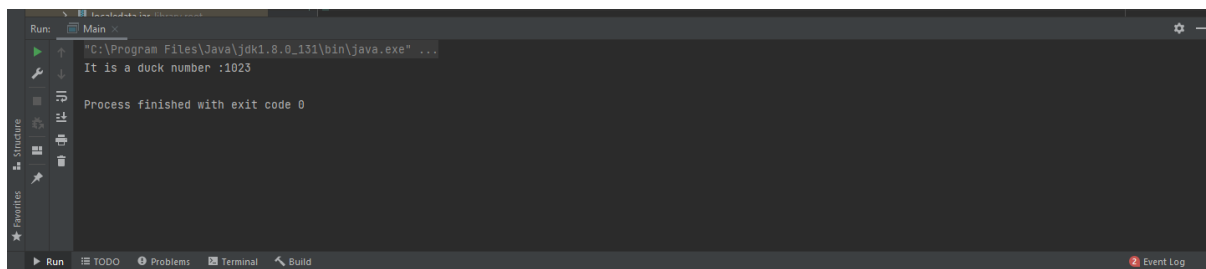
Output : It is not a duck number.

Explanation: in 02364 there is a zero at the beginning of the number.

PROGRAM :

```
package com.company;
import java.io.*;
class Main {
    static boolean check_duck(String num) {
        int i = 0, n = num.length();
        while (i < n && num.charAt(i) == '0')
            i++;
        while (i < n) {
            if (num.charAt(i) == '0')
                return true;
            i++;
        }
        return false;
    }
    public static void main(String args[]) throws IOException {
        String num = "1023";
        if (check_duck(num))
            System.out.println("It is a duck number :"+num);
        else
            System.out.println("It is not a duck number :"+num);
    }
}
```

OUTPUT :

The image shows a screenshot of an IDE's Run console. The top part of the console shows the command to run the program: "C:\Program Files\Java\jdk1.8.0\_131\bin\java.exe ...". Below this, the output of the program is displayed: "It is a duck number :1023". At the bottom of the console, it says "Process finished with exit code 0". The IDE interface includes a sidebar on the left with icons for Run, Structure, and Event Log, and a bottom status bar with icons for Run, TODO, Problems, Terminal, and Build.